

AGRICULTURAL NEWS: Dry weather continued, affecting crop conditions in middle to eastern regions of the State. Crop conditions in western areas remained favorable despite below normal rainfall. **Topsoil moisture** as of Friday, July 16 was rated 26 percent very short, 39 percent short, 34 percent adequate, and 1 percent surplus. **Subsoil moisture** was rated 27 percent very short, 32 percent short, 40 percent adequate, and 1 percent surplus. Days suitable for fieldwork averaged 5.8 out of a possible six days.

CORN: Corn continues to look good, with conditions rated 1 percent very poor, 2 percent poor, 16 percent fair, 56 percent good and 25 percent excellent. Corn was 88 percent silked, well ahead of last year's 59 percent. As of July 18, 40 percent had reached the milk stage or beyond, compared with 21 percent last year, and 15 percent had reached the dough stage or beyond. Good yields are expected despite reports of Japanese beetles in western areas. Weed growth and the threat of drought continues to present potential problems for the corn crop.

SOYBEANS: The soybean crop continues to look good. Soybeans were 40 percent blooming, ahead of last year's 22 percent. The soybean crop was rated 1 percent very poor, 4 percent poor, 17 percent fair, 51 percent good and 27 percent excellent. Japanese beetles continue to be a

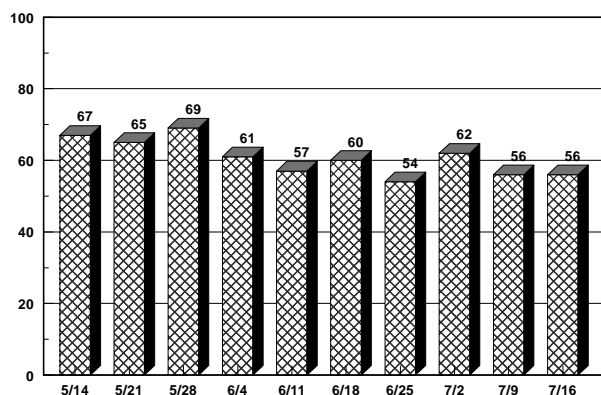
problem in the soybeans as well as in the corn in western areas of the State. Soybeans setting pods were reported at 10 percent.

TOBACCO: The heat and lack of rainfall continues to cause some problems with tobacco. Black shank remains the leading problematic disease throughout the State. Reports of scalding in western areas also pose a threat to the crop. Some cases of blue mold have been reported in eastern regions. The percent of **burley** tobacco blooming was 31, and 13 percent had been topped as of Sunday, July 18. **Dark tobacco** was 42 percent blooming. Condition of the crop as of July 16 was rated 4 percent very poor, 11 percent poor, 29 percent fair, 42 percent good and 14 percent excellent.

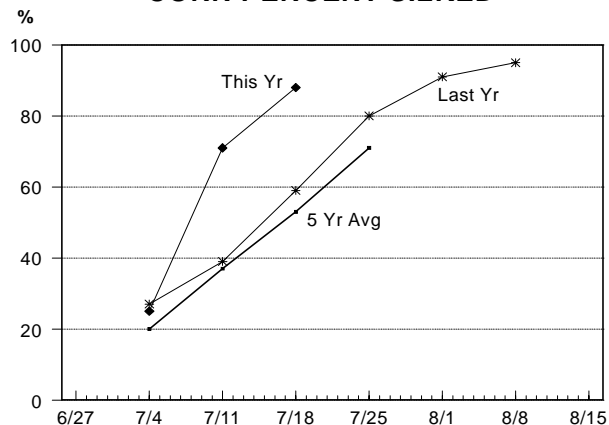
OTHER CROPS: **Wheat** harvest is virtually complete, with 99 percent combined as of last week. Very good yield and test weights were reported. Lack of rainfall throughout the State limited any **pasture** growth. As of July 16, pastures were rated 6 percent very poor, 19 percent poor, 33 percent fair, 35 percent good and 7 percent excellent. Farmers continue to feed hay to livestock because of the poor pasture conditions. The **hay** crop continued mostly fair to good for the majority of the State as harvest is winding down. The crop was rated 4 percent very poor, 15 percent poor, 34 percent fair, 36 percent good and 11 percent excellent.

BURLEY TOBACCO CONDITION

% Good to Excellent



CORN PERCENT SILKED



KENTUCKY CROP PROGRESS

WEEK ENDING JULY 18, 1999

WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week KY	U.S.
Percentage					
Soybeans					
Blooming	40	22	23	25	35
Corn					
Silking	88	59	55	71	16

(NA) Data Not Available

SOIL MOISTURE

WEEK ENDING JULY 16, 1999

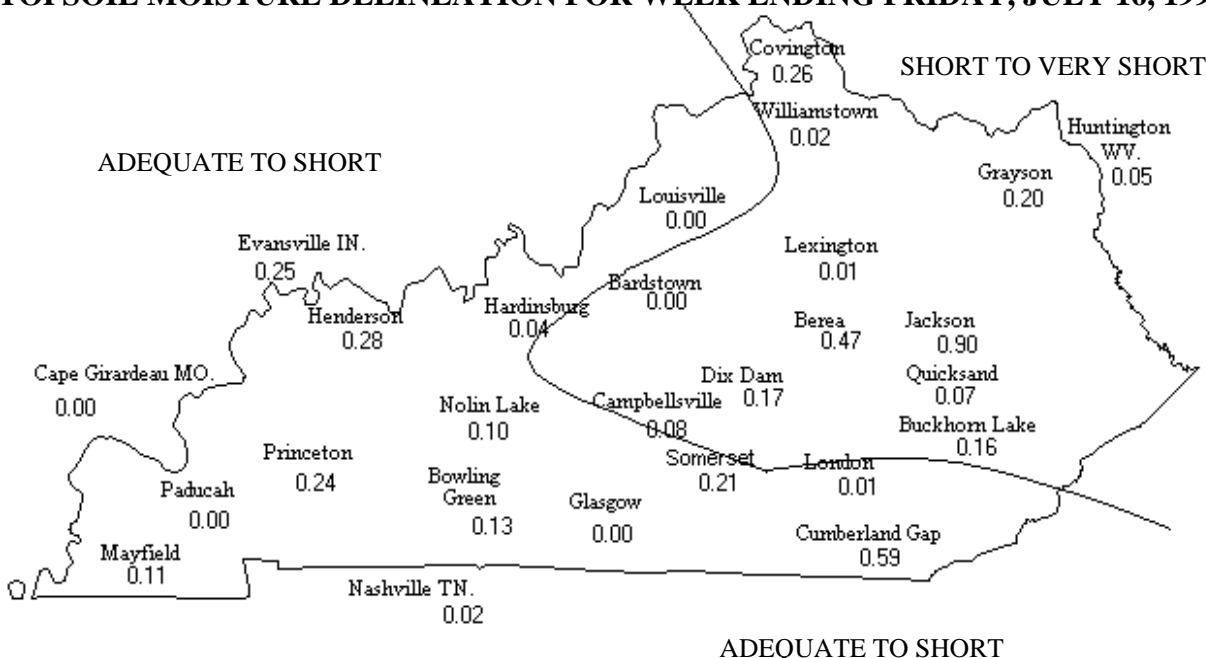
WITH COMPARISONS

	This Week	Previous Week
Percentage		
TOPSOIL		
Very Short	26	18
Short	39	23
Adequate	34	56
Surplus	1	3
SUBSOIL		
Very Short	27	22
Short	32	24
Adequate	40	52
Surplus	1	2

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING JULY 16, 1999					WEEK ENDING JULY 9, 1999				
	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT
Corn	1	2	16	56	25	1	3	13	56	27
Soybeans	1	4	17	51	27	1	3	16	50	30
Pasture	6	19	33	35	7	6	19	30	37	8
Hay Crops	4	15	34	36	11	4	13	24	48	11
Tobacco	4	11	29	42	14	4	13	27	40	16

PRECIPI TATION MAP FOR WEEK ENDING SUNDAY, JULY 18, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JULY 16, 1999



KENTUCKY WEATHER SUMMARY, JULY 12 - 18, 1999:

NEAR NORMAL Temperature and BELOW NORMAL Rainfall:

Hazy, Hot and Humid weekend weather offset cooler conditions during the workweek. Lack of rainfall statewide continued concerns about drought.

Temperatures for this past week averaged 76 degrees across the state which was NEAR NORMAL and 2 degrees cooler than the previous week. High temperatures averaged from 88 in the West to 85 in the East. Departure from normal high temperatures ranged from 2 degrees BELOW NORMAL in the West to 1 degree BELOW NORMAL in the East. Low temperatures averaged from 65 degrees in the West to 64 degrees in the East. Departure from normal low temperature was 1 degree BELOW NORMAL statewide. Extreme high temperatures were in the mid 90's and extreme low temperatures were in the upper 50's. Since April 1st, corn growing degree day accumulations ranged from 1816 at Covington to 2199 at Princeton. Rainfall for this past week totaled 0.16 inches statewide which was 0.90 inches BELOW NORMAL. Rainfall totals by climate division, West 0.15 inches, Central 0.04 inches, Bluegrass 0.16 inches and East 0.27 inches, which was 0.78, 1.06, 0.90 and 0.86 inches respectively BELOW NORMAL. By station, rainfall totals ranged from a low of 0.00 inches at Bardstown (and several other locations) to a high of 0.90 inches at Jackson.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL

FOR WEEK ENDING SUNDAY, JULY 18, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
	(Inches)					(Degrees Fahrenheit)						
Bardstown	0.00	11.90	3.30	-3.01	-0.82	91	61	76.0	-0	174	1975	+118
Berea	0.47	11.23	3.35	-4.36	-0.53	93	54	73.9	-2	154	1984	+78
Bowling Green	0.13	10.09	3.24	-6.09	-0.90	95	64	78.1	+2	185	2137	+201
Bristol	1.13	11.33	5.30	-1.92	+1.61	88	60	72.4	-3	153	1856	+108
Buckhorn Lake	0.16	10.09	2.53	-4.73	-1.66	90	60	74.0	-1	161	1919	+249
Cape Girardeau	0.00	12.25	2.33	-2.90	-0.88	91	56	75.7	-2	170	2039	+6
Campbellsville	0.08	12.85	3.30	-4.36	-1.20	93	63	76.4	+0	173	2046	+170
Covington	0.26	8.66	2.14	-5.67	-1.60	91	58	74.9	-1	166	1816	+110
Cumberland Gap	0.59	10.91	4.14	-5.30	-0.34	88	62	74.2	-1	165	1953	+235
Dix Dam	0.17	10.85	3.37	-4.66	-0.73	92	61	75.4	-0	166	1921	+64
Evansville	0.25	15.59	4.36	+0.98	+0.85	91	59	75.4	-3	171	1961	+37
Glasgow	0.00	11.18	2.97	-6.11	-1.65	95	64	78.2	+2	183	2181	+335
Grayson	0.20	12.00	3.82	-2.55	-0.28	91	62	75.9	+0	173	1950	+341
Hardinsburg	0.04	14.98	2.67	-0.76	-1.36	93	56	76.9	+1	174	1964	+28
Henderson	0.28	15.55	3.40	+0.58	-0.24	91	59	75.9	-2	174	2071	+117
Huntington	0.05	6.11	1.18	-8.31	-2.92	95	57	76.4	+1	167	1959	+223
Jackson	0.90	9.77	2.52	-5.68	-1.80	91	59	74.5	-1	163	1945	+275
Lexington	0.01	9.35	3.73	-5.56	-0.39	93	62	76.7	+1	174	1928	+192
London	0.01	10.42	2.79	-4.14	-1.18	90	62	74.5	-1	165	1939	+221
Louisville	0.00	16.29	6.22	+1.36	+2.45	93	61	77.2	+1	180	2009	+85
Mayfield	0.11	16.49	6.23	+0.45	+2.50	91	62	76.3	-2	175	2065	+68
Nashville	0.02	13.00	4.33	-2.13	+0.83	89	67	77.9	+2	191	2248	+185
Nolin Lake	0.10	13.28	4.50	-3.58	+0.26	94	62	77.7	+2	182	2076	+297
Paducah	0.00	19.13	4.47	+2.70	+0.69	93	61	77.3	-1	180	2098	+83
Princeton	0.24	18.30	6.94	+2.20	+3.17	93	61	77.7	-0	179	2199	+215
Quicksand	0.07	9.31	2.68	-6.14	-1.64	91	59	74.1	-1	161	1916	+246
Somerset	0.21	16.80	3.77	+0.30	-0.48	91	62	74.6	-1	164	1940	+131
Spindletop	0.00	7.42	3.05	-7.49	-1.07	92	61	76.9	+1	176	1890	+154
Williamstown	0.02	7.46	2.30	-7.50	-1.59	93	60	76.6	+1	172	1962	+226

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (606)257-3000 ext 245. E-mail: tpriddy@ca.uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

Livestock Weather Safety Index Chart

Dry Bulb Temp(F)	Relative Humidity Intervals (Percent)									
	10	20	30	40	50	60	70	80	90	100
78			70	71	72	74	75	75	77	78
80		70	72	73	74	75	77	78	79	80
82	70	71	73	74	75	76	78	79	81	82
84	71	72	74	75	77	78	80	81	83	84
86	72	74	75	77	78	80	81	83	84	86
88	73	75	76	78	80	81	83	85	87	88
90	74	76	78	79	81	83	85	87	88	90
92	75	77	79	81	83	84	86	88	90	
94	76	78	80	82	84	86	88	90		
96	77	79	81	84	86	88	90			
98	78	80	82	85	87	89				
100	79	82	84	86	88	91				

EMERGENCY STRESS - Index of 84 or Greater

DANGER STRESS - Index of 79 to 83

NO STRESS - Index of 78 or Less

DANGER - EXPECT 25% or more increase in transit loss!

EMERGENCY - EXPECT 45% or more increase in transit loss!